

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/04002

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F01N3/20 F01N3/28 F01N3/035 F01N3/08 F02B1/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F02B F01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/053202 A1 (AKAMA HIROSHI ET AL) 9 May 2002 (2002-05-09)	1,3-5,7, 8,12,17, 18,46-48
Y	paragraph '0040! - paragraph '0046!; figures	9-11
Y	US 6 293 096 B1 (KHAIR MAGDI K ET AL) 25 September 2001 (2001-09-25) column 4, line 21 - line 37; figure 1	9-11
A	WO 00 28196 A (CERYX INC ;EDGAR BRADLEY L (US); PAGE DORRIAH L (US); MACDONALD RO) 18 May 2000 (2000-05-18) -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the international search

9 January 2004

Date of mailing of the international search report

15/01/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 09, 4 September 2002 (2002-09-04) & JP 2002 129937 A (NISSAN DIESEL MOTOR CO LTD), 9 May 2002 (2002-05-09) abstract -----	
A	US 2002/048542 A1 (HU ZHICHENG ET AL) 25 April 2002 (2002-04-25) -----	
A	WO 94 22564 A (ENGELHARD CORP) 13 October 1994 (1994-10-13) cited in the application -----	

INTERNATIONAL SEARCH REPORT

information on parent family members

International Application No

PCT/GB 03/04002

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002053202 A1	09-05-2002	JP 2002153733 A	28-05-2002
US 6293096 B1	25-09-2001	US 2003140621 A1	31-07-2003
		US 6615580 B1	09-09-2003
WO 0028196 A	18-05-2000	AU 1342200 A	29-05-2000
		CA 2350027 A1	18-05-2000
		EP 1149232 A1	31-10-2001
		JP 2002529649 T	10-09-2002
		WO 0028196 A1	18-05-2000
		ZA 200103648 A	05-08-2002
JP 2002129937 A	09-05-2002	NONE	
US 2002048542 A1	25-04-2002	AU 4063400 A	23-10-2000
		EP 1165210 A1	02-01-2002
		JP 2002540916 T	03-12-2002
		WO 0059611 A1	12-10-2000
		US 6375910 B1	23-04-2002
		US 6497848 B1	24-12-2002
WO 9422564 A	13-10-1994	AT 232413 T	15-02-2003
		CA 2159317 A1	13-10-1994
		DE 69432119 D1	20-03-2003
		DE 69432119 T2	24-07-2003
		EP 0691883 A1	17-01-1996
		JP 8508442 T	10-09-1996
		WO 9422564 A1	13-10-1994
		US 6248684 B1	19-06-2001
		US 6274107 B1	14-08-2001
		US 5804155 A	08-09-1998
		US 2001038812 A1	08-11-2001